REFERENCES 37

[13] R. Sasnauskas, Y. Chen, P. Collingbourne, J. Ketema, G. Lup, J. Taneja, and J. Regehr, "Souper: A Synthesizing Superoptimizer," arXiv e-prints, p. arXiv:1711.04422, Nov. 2017.

- [14] W. C. Group, "Webassembly specification: Webassembly runtime." https://webassembly.github.io/spec/core/exec/runtime.html, 2021. Version 1.0.
- [15] D. Cao, R. Kunkel, C. Nandi, M. Willsey, Z. Tatlock, and N. Polikarpova, "Babble: Learning better abstractions with e-graphs and anti-unification," *Proc. ACM Program. Lang.*, vol. 7, jan 2023.

## $\begin{array}{c} {\rm Part~II} \\ {\rm Included~papers} \end{array}$